

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

PROPOSED

Title V, Operating

Permit: V-07-015

Accuride Corporation

Henderson, KY 42420

March 14, 2008

Linda Martin, Reviewer

SOURCE ID: 21-101-00030

AGENCY INTEREST: 1786

ACTIVITY: APE20020001

SOURCE DESCRIPTION:

Accuride Corporation (Accuride) is a manufacturer of wheels for heavy, medium, and light-duty trucks. The Accuride Henderson, Kentucky facility is located at 2315 Adams Lane in Henderson County and primarily manufactures truck wheels. Accuride manufactures wheels by means of two processes. The first process starts with the rim line where flat steel is rolled to form the wheel rim. The discs are manufactured by spinning and stamping. The rim and disc are then washed before proceeding to the assembly area where the disc and rim are assembled and welded to form the wheel. The wheel is then conveyed to the paint line where the wheel undergoes a multistage electrocoating process where the paint coating is applied. The coated wheel is then dried in the dehydration and curing oven. Once the wheels leave the ovens, they are either conveyed to the stacking area where they are prepared for shipping or sent to the powder coating process.

The second process involves a powder coating system. A portion of the electrocoated wheels from the first process are conveyed to the second process for powder coating. The powder coating includes pre-washing, drying, powder coating, and oven curing stages. Stage 1 of the pre-wash involves the use of a slightly acidic surfactant cleaner. Stage 2 of the pre-wash is a clean water rinse followed by Stage 3, which is a water/surfactant spray rinse. From the pre-washing cycle, the wheel is conveyed to a natural gas fired drying unit and a chilled-air cooling tunnel. The wheel is then powder coated in an environmentally controlled room where the booth exhaust is re-circulated into the booth (integral recirculation system). Following the powder coating booth, a natural gas-fired curing oven is employed to cure the powder coating. The wheels are then conveyed to the stacking area where they are prepared for shipping.

Accuride was issued an initial Title V permit on March 5, 1998.

On September 5, 2002, the Division received an application from the permittee for the renewal of Title V Permit V-98-039, issued March 5, 1998. Additional revised information was submitted by the applicant on June 8, 2007.

PUBLIC AND AFFECTED STATE REVIEW:

Affected states (Illinois and Indiana) were notified of the issuance of the draft permit on February 11, 2006 via e-mail.

On February 13, 2008, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The Gleaner* in Henderson, Kentucky. The public comment period expired 30 days from the date of publication.

Comments were received from August Mack Environmental, Inc. on behalf of Accuride Corporation on March 13, 2008. Minor changes were made to the permit as a result of the comments received, however the Division has concluded that the proposed operation will comply with all air quality regulations and requirements. Therefore, the Division has made a final determination to issue a proposed permit. The proposed permit will become final upon approval of the EPA.